

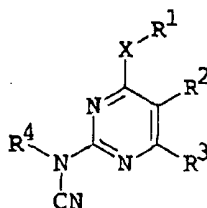
## Abstract

## FUNGICIDAL 5-PHENYL SUBSTITUTED 2-(CYANOAMINO) PYRIMIDINES

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Pyrimidines of formula I

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I

in which

- 15  $\text{R}^1$  represents hydrogen or alkyl, haloalkyl, alkenyl, alkynyl, alkadienyl, alkoxy, cycloalkyl, phenyl, or 5- or 6-membered heteroaryl or 5- or 6-membered heterocyclyl, containing one to four nitrogen atoms or one to three nitrogen atoms and one sulfur or oxygen atom, or tri-alkyl-silyl, formyl or alkoxy-carbonyl,
- 20

wherein  $\text{R}^1$  groups are unsubstituted or substituted as defined in the specification;

- 25  $\text{R}^2$  represents phenyl, cycloalkyl or 5- or 6-membered heteroaryl, containing one to four nitrogen atoms or one to three nitrogen atoms and one sulfur or oxygen atom, which are unsubstituted or substituted;

- 30  $\text{R}^3$  represents hydrogen, halogen or alkyl, alkoxy, alkylthio, alkylamino or dialkylamino; which are unsubstituted or substituted;

- 35  $\text{R}^4$  represents hydrogen or alkyl, alkenyl or alkynyl; which are unsubstituted or substituted; and

- $\text{X}$  represents O, S,  $\text{NR}^5$  or a single bond, wherein  $\text{R}^5$  represents hydrogen or alkyl; or

- 40  $\text{R}^1$  and  $\text{R}^5$  together with the interjacent nitrogen atom form a heterocyclic ring;

processes and intermediates for preparing these compounds, to compositions comprising them and to their use for controlling  
45 harmful fungi.